THE VA HAS ADOPTED THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS

CODES, STANDARDS AND EXECUTIVE ORDERS - VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE

ON THE TECHNICAL INFORMATION LIBRARY (TIL) - INTERNATIONAL BUILDING CODE (IBC) (SEE NOTES BELOW) NFPA 101 LIFE SAFETY CODE (SEE NOTES BELOW)

- NFPA NATIONAL FIRE CODES WITH EXCEPTION OF NFPA 5000 AND NFPA 900

- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS

- VA SEISMIC DESIGN REQUIREMENTS, H-18-8 NATIONAL ELECTRICAL CODE (NEC)

NATIONAL STANDARD PLUMBING CODE (NSPC)

 ASME BOILER AND PRESSURE VESSEL CODE ASME CODE FOR PRESSURE PIPING

 $18 \times .2 = 3.6$

36" PROVIDED

Lunchroom

M107

HG Restrm

M105

H.G. RESTROOM #M105 RESTROOM (LOCKER IBC)

HONOR GUARD #M104

Honor Guard

 $5 \times .2 = 1.0^{\circ}$ 1 36" PROVIDED

M104

FACTOR 50

LUNCHROOM #M107

RATING

CLASS A

M106B

M106A

CLASS A

MAINTENANCE BUILDING - CODE REVIEW PLAN

 UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) INCLUDING VA SUPPLEMENT BARRIER FREE DESIGN BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE,

MECHANICAL IBC

M108

FACTOR 300

F.E. | ■ | F.E. | 110 S.F.

CLASS C

M108

Women's

Shower -

Lockers

BUSÍNESS 185 S.F.

FACTOR 100

FACTOR 100

Women's

M109

LOAD: 0.22

HOUSEKEEPING #M106A

M110

AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)

- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

 ENERGY POLICY ACT OF 2005 (EPAct) - DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433,434 AND 435

BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU) EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT - THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS. STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION

- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE

- VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004 - SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE

STANDARD 15 -2007 -VA FIRE PROTECTION DESIGN MANUAL

WOMENS LOCKER #M110

FACTOR 50

LOAD: 2.32

MENS LOCKER #M11

LOCKER IBC

211 S.F. FACTOR 50

LOAD: 4.22

WOMEN'S RESTROOM #M109

RESTROOM (LOCKER IBC)

MEN'S RESTROOM #M112

RESTROOM (LOCKER IBC)

Men's

|**車**| F.E.

CLASS B

M112

FACTOR 50 LOAD: 3.42

FACTOR 50

Wash/Entry

18 x .2 = 3.6" 36" PROVIDED

Men's Shower

Lockers M111

AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEWS, BUILDING PERMITS, INSPECTIONS, FEES, ETC.) VA MUST FUNCTION AS THE AUTHORITY HAVING JURISDICTION (AHJ) AND THUS HAS THE RESPONSIBILITY TO GUARD PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES. HOWEVER, LOCAL AUTHORITIES SHOULD BE NOTIFIED ABOUT PLANNED PROJECTS AND GIVEN THE OPPORTUNITY TO REVIEW DRAWINGS PROVIDED THAT VA DOES NOT PAY FOR REVIEW OR INSPECTION FEES.

PARTS & TOOLS #M115

FACTOR 500 LOAD: 0.29

Parts and Tools

 $\boxed{1} \boxed{\frac{M115}{M115}}$

Routine

Maintenance

M113

1. NFPA 101 PRIMARILY ADDRESSES LIFE SAFETY AND FIRE PROTECTION FEATURES WHILE THE IBC ADDRESSES A WIDE RANGE OF CONSIDERATIONS, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STRENGTH, SEISMIC STABILITY, SANITATION, ADEQUATE LIGHT AND VENTILATION, AND ENERGY CONSERVATION. VA BUILDINGS MUST MEET THE REQUIREMENTS OF NFPA 101 AND DOCUMENTS REFERENCED BY NFPA 101 IN ORDER TO COMPLY WITH THE ACCREDITATION REQUIREMENTS OF THE JOINT COMMISSION. THEREFORE, DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY THE NFPA 101, THE REQUIREMENTS OF THE NFPA 101 OR THE DOCUMENT REFERENCED BY THE NFPA 101 SHALL BE

2. CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS — SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR THE VA TO ENSURE A CONSISTENCY SYSTEM WIDE.

WASH BAY CONTROL #M116

M116

1 x .2 = 0.2" 36" PROVIDED

Workshop

M114

M114B

LOAD: 0.66

USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS

ARE DIFFERENT).

Wash Bay Control

M116

ROUTINE MAINTENANCE #M113/

36" PROVIDED

WORKSHOP #M114

GARAGE 1025 S.F. FACTOR 200 LOAD: 5.12

M113B

3002 MAINTENANCE BUILDING - 3500 S.F.

3.3.12 REPAIR GARAGE 30.2.2 OCCUPANCY CLARIFICATION THE OCCUPANCY CLASSIFICATION OF A REPAIR GARAGE SHALL BE A SPECIAL PURPOSE INDUSTRIAL OCCUPANCY AS

DEFINED IN NFPA 101 (NFPA 30A:7.4.1) NFPA 101 40.1.6 MINIMUM CONSTRUCTION REQUIREMENTS (NO

REQUIREMENTS) IBC TABLE 503 BUSINESS VB: STORIES - 2

> AREA - 9000 S.F. S-1 (REPAIR GARAGES MOST SIMILAR) VB: STORIËS - 1 AREA - 9000 S.F.

FIRESPRINKLERS

IBC 903.2.9.1 GROUP S-1 REPAIR GARAGES

FIRE SPRINKLERS NOT REQUIRED FIRE SPRINKLERS WAIVED BY AHS.

ANCILLARY AND INCIDENTAL FACILITIES A.40.2.5.1.1 ANCILLARY FACILITIES LOCATED WITHIN INDUSTRIAL OCCUPANCIES MIGHT INCLUDE ADMINISTRATIVE OFFICE, LABORATORY, CONTROL AND EMPLOYEE SERVICE FACILITIES THAT ARE INCIDENTAL TO THE PREDOMINANT INDUSTRIAL FUNCTION AND ARE OF SUCH A SIZE THAT A SEPARATE

> OCCUPANCY CLASSIFICATION IS NOT WARRANTED. 6.1.14.1.3 WHERE INCIDENTAL TO ANOTHER OCCUPANCY, AREAS USED AS FOLLOWS SHALL BE PERMITTED TO BE CONSIDERED PART OF THE PREDOMINANT OCCUPANCY AND SHALL BE SUBJECT TO THE PROVISIONS OF THE CODE THAT APPLY TO THE PREDOMINANT OCCUPANCY (1) MERCANTILE, BUSINESS, INDUSTRIAL, OR

STORAGE USE

(2) NONRESIDENTIAL USE WITH OCCUPANT LOAD FEWER THAN THAT ESTABLISHED BY SECTION 6.1 FOR THE OCCUPANCY THRESHOLD

OCCUPANCY LOAD

CORRIDORS

NFPA 101

7.1.3.1

Wash Bay

M117

NORTH

TABLE 7.3.1.2 SPECIAL PURPOSE INDUSTRIAL OCCUPANT LOAD - NA: NOT APPLICABLE THE OCCUPANT LOAD IS THE THE MAXIMUM PROBABLE NUMBER OF OCCUPANTS AT ANY TIME

NOT A RATED CORRIDOR INDUSTRIAL OCCUPANCY CHAPTER 40 40.3.6 CORRIDORS. THE PROVISIONS OF 7.1.3.1 SHALL

NOT APPLY EXIT ACCESS CORRIDORS. CORRIDORS USED AS EXIT ACCESS AND SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30 SHALL BE SEPARATED FROM OTHER PARTS OF THE BUILDING BY WALLS HAVING NOT LESS THAN A 1-HOUR FIRE RESISTANCE RATING IN ACCORDANCE WITH SECTION 8.3, UNLESS OTHERWISE PERMITTED BY THE FOLLOWING:

(2) THIS REQUIREMENT SHALL NOT APPLY WHERE OTHERWISE PROVIDED IN CHAPTERS 11- 43 (SEE 40.3.6 ABOVE)

INTERIOR WALL & CEILING FINISH

40.3.3.2 INTERIOR WALL AND CEILING FINISH MATERIAL COMPLYING WITH SECTION 10.2 SHALL BE CLASS A OR CLASS B OR CLASS C IN OPERATIONS AREAS AND SHALL BE AS REQUIRED BY 7.1.4 IN EXIT ENCLOSURES

INTERIOR FLOOR FINISH

40.3.3.3.1 INTERIOR FLOOR FINISH IN EXIT ENCLOSURES AND IN EXIT ACCESS CORRIDORS SHALL BE NOT LESS THAN CLASS II

40.3.3.3.2 INTERIOR FLOOR FINISH IN AREAS OTHER THAN THOSE SPECIFIED IN 40.3.3.3.1 SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 10.2

NFPA 101

TABLE 40.2.6 MAXIMUM TRAVEL DISTANCE TO EXITS SPECIAL PURPOSE INDUSTRIAL - NOT PROTECTED - 300FT

COMMON PATH OF TRAVEL

TABLE 40.2.5 UNPROTECTED SPECIAL PURPOSE

INDUSTRIAL OCCUPANCY 50 FEET

FIRE EXTINGUISHERS - PORTABLE 5.2.1 CLASS A ORDINARY COMBUSTABLE MATERIALS

5.2.2 CLASS B FLAMMABLE LIQUIDS (MAINT. ROOMS) 5.2.3 CLASS C ENERGIZED ELECTRICAL

EQUIPMENT (I.T. AND MECH. ROOMS) TABLE 6.3.1.1 - CLASS B 20-B MAX. TRAVEL DISTANCE TO EXTINGUISHER 50 FEET TABLE 6.2.1.1 - CLASS A MAX. TRAVEL DISTANCE TO EXTINGUISHER 75 FEET

FIRE SEPARATIONS

NO DELAYED EVACUATION - NO FIRE SEPARATION BETWEEN SPECIAL PURPOSE INDUSTRY AND ANCILLARY

> 40.2.5.1.2 NEW ANCILLARY FACILITIES IN SPECIAL PURPOSE INDUSTRIAL OCCUPANCIES WHERE DELAYED EVACUATION IS ANTICIPATED SHALL HAVE NOT LESS THAN A 2-HOUR FIRE RESISTANCE-RATED SEPARATION FROM THE PREDOMINANT INDUSTRIAL OCCUPANCY, AND SHALL HAVE ONE MEANS OF EGRESS THAT IS SEPARATED FROM THE PREDOMINANT INDUSTRIAL OCCUPANCY BY 2-HOUR FIRE RATED CONSTRUCTION.

NO ADMINISTRATIVE CONTROL EVACUATION CAUSING DELAY A.40.2.5.1.2 OCCUPANTS OF ANCILLARY FACILITIES LOCATED WITHIN SPECIAL-PURPOSE INDUSTRIAL OCCUPANCIES MIGHT BE REQUIRED BY ADMINISTRATIVE CONTROLS TO REMAIN IN THE FACILITY WHEN A FIRE OCCURS IN THE PREDOMINANT INDUSTRIAL AREA, SO THAT THEY CAN PERFORM AN ORDERLY SHUTDOWN OF PROCESS EQUIPMENT TO CONTROL THE SPREAD OF THE FIRE AND MINIMIZE DAMAGE TO IMPORTANT EQUIPMENT.

ONE HOUR SEPARATION BETWEEN HONOR GUARD AND SPECIAL PURPOSE OCCUPANCY AS PER AUTHORITY HAVING JURISDICTION (AHJ)

> 7.2.3 A FIRE BARRIER WALL REQUIRED FOR AN OCCUPIED SPACE BELOW AN INTERSTITIAL SPACE SHALL NOT BE REQUIRED TO EXTEND THROUGH THE INTERSTITIAL SPACE, PROVIDED THAT THE CONSTRUCTION ASSEMBLY FORMING THE BOTTOM OF THE INTERSTITIAL SPACE HAS A FIRE RESISTANCE RATING NOT LESS THAN THAT OF THE THE FIRE BARRIER WALL

TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES OCCUPANCY B & S-1 - NO REQUIRED SEPARATION

CONCEALED SPACES AND DRAFTSTOPS

IBC

8.6.10.1 ANY CONCEALED COMBUSTIBLE SPACE IN WHICH BUILDING MATERIALS HAVING A FLAME SPREAD INDEX GREATER THAN CLASS A ARE EXPOSED SHALL BE DRAFT STOPPED AS FOLLOWS: (1) EVERY EXTERIOR AND INTERIOR WALL AND PARTITION SHALL BE FIRESTOPPED AT EACH FLOOR LEVEL, AT THE STORY CEILING LEVEL AND AT THE LEVEL OF SUPPORT FOR ROOFS

(2) EVERY UNOCCUPIED ATTIC SPACE SHALL BE DIVIDED BY DRAFTSTOPS INTO AREAS NOT TO

EXCEED 3000 S.F. (3) ANY UNCONCEALED SPACE BEWTWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL BE DRAFTSTOPPED FOR THE FULL DEPTH OF THE SPACE ALONG THE LINE OF SUPPORT FOR THE FLOOR OR ROOF STRUCTURAL MEMBERS AND, IF NECESSARY, AT OTHER LOCATIONS TO FORM AREAS NOT TO EXCEED 1000S.F. FOR ANY SPACE BETWEEN THE CEILING AND THE FLOOR, AND 30000 S.F. FOR ANY SPACE BETWEEN THE CEILING

PLUMBING FIXTURES IBC 2009

TABLE 2902.1 STORAGE OCCUPANCY (ORDINARY HAZARD) WATER CLOSET 1 PER 100 (MALE/FEMALE) LAVATORIES 1 PER 100 (MALE/FEMALE)

DRINKING FOUNTAIN 1 PER 1,000

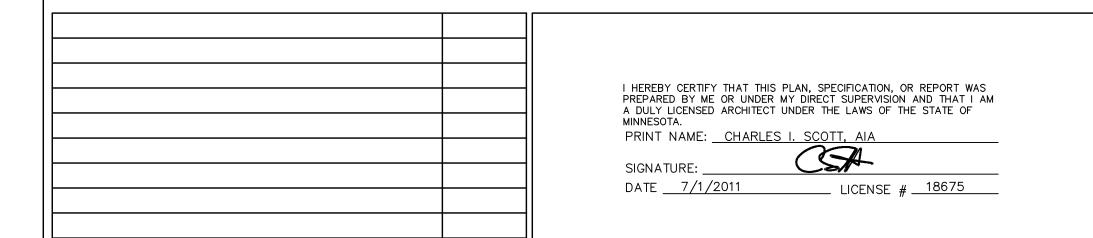
ONE SERVICE SINK

BUILDING SEPARATION IBC 705.3 BUILDINGS ON SAME LOT

AND THE ROOF.

EXCEPTION: SHALL BE CONSIDERED AS PORTIONS OF ONE BUILDING IF THE AGGREGATE AREA OF SUCH BUILDINGS IS WITHIN THE LIMITS SPECIFIED IN CHAPTER 5 FOR A SINGLE BUILDING WHERE THE BUILDINGS CONTAIN DIFFERENT OCCUPANCY GROUPS OR ARE OF DIFFERENT TYPES OF CONSTRUCTION. THE AREA SHALL BE THAT ALLOWED FOR THE MOST RESTRICTIVE OCCUPANCY OR CONSTRUCTION. -BUILDING 3002 (MAINTENANCE) & BUILDING 1001 (ADMINISTRATION) ARE CONSIDERED HERE AS ONE BUILDING WITH MAXIMUM COMBINED AREA OF 5.700 S.F. WHICH IS BELOW THE 9000 S.F. MAXIMUM AREA REQUIREMENT -BUILDING 3002 (MAINTENANCE) AND BUILDING 3003 (VEHICLE STORAGE) ARE SEPERATED BY MORE THAN 30 FEET (TABLE 602 & TABLE 705.8) -BUILDING 3002 (MAINTENANCE) IS MORE THAN

30 FEET FROM LOT LINE (TABLE 705.8)



M103

Foreman's

M102

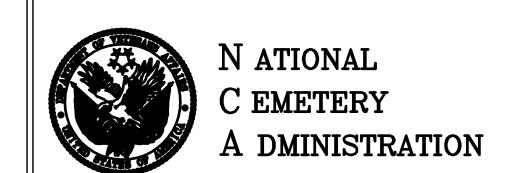
BUSINESS

FACTOR 100 LOAD: 1.61

FOREMAN OFFICE #M102

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BID DOCUMENTS 7/1/2011				
MAINTENANCE BUILDING	Project Title REPLACE ADMINISTRATION AND MAINTENANCE BUILDING AND SITE IMPROVEMENTS			7-1-2011
CODE REVIEW				Project No. 906CM3009
Approved Director, Office of Construction Management	Building Number	Checked GRJ	Drawn AMT/PSH	DRAVING NO.
Approved: Director, Project Management Service	Location EAGLE POINT NATIONAL CEMETERY 2763 RILEY ROAD EAGLE POINT, OR 97524			A-3002-1.1 Dwg. 103 Bf 181